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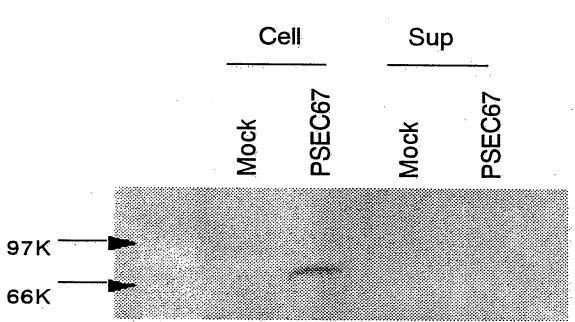
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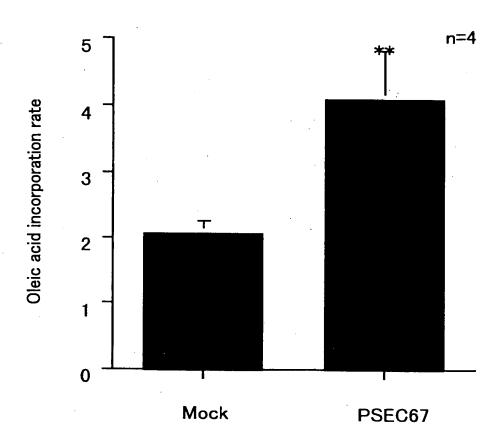
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Figure 1



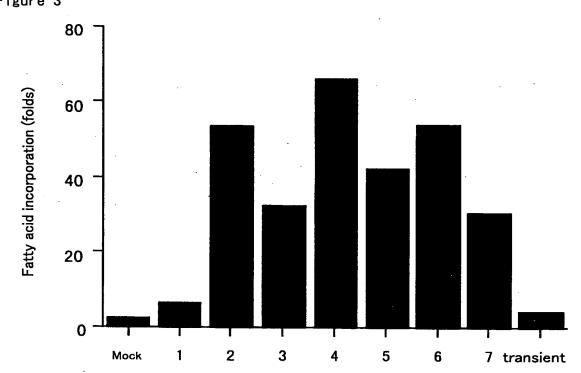
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Figure 2



Inventor(s): MORIKAWA Noriyuki et al. Attorney Docket No.: 084335-0154





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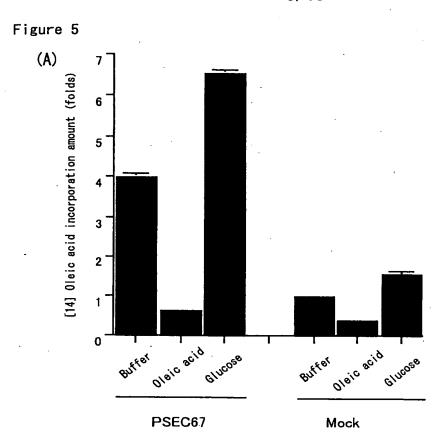
Figure 4

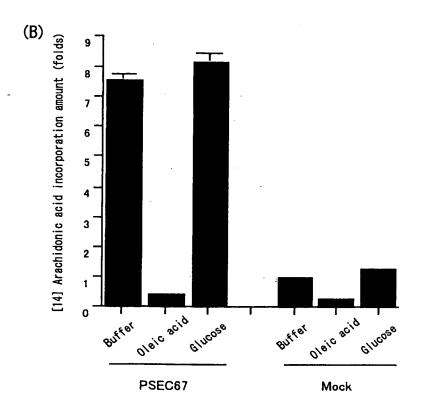


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PSEC67: 501 ACAGGCCTGCAGGCCTTC-CTAGGTGCCTAGGTGGACTGCGGACCAGGCGGGG-G 558 AC G C GC AC ACCCCTTT CTAGCTGCAGCTGGACTGCGACCACCAGCCAGCCAGCCACCCCTTTAGCTAGC	Figure	6		
ME G GC GCA GCGC TT CTAGG G G AGGCTG G C G GA C GG G IIII. FATP3: 98 ACGGCGC-GCA-GCGCTTTAGCTAGCGG-G-AGGCTGAG-CGGAGAGCAACCGGATTG 151 PSEC67: 559 CGACAGCGGGAGGGGAGCCCTGCAGAAGGCCAGCCGGCAGCCGGGAGCCAGGCAGG	PSEC67:	501	ACAGGGCTGCACGCCCTTC-CTACGTGCGCTAGGCTGGGACTGGGGACCCGACGGCG-G	558
PSEC67: 559 CGACAGCCGCGAGGGGAGCCCTGGAGAGGCGAGCGGGAGCGCG-GAGCCGG-AGAT 616 C C GCC C G GCC G G G A CGGG GCCG-GAGCCGG-AGAT 616 C C GCC C G GCC G G G A CGGG GCCGG GC GG AG m. FATP3: 152 CT-C-GCGCCTTTCTGCGCGCACGGGCCTG-GACCGGGGCCCCAGGCCTCGGCAGGCT GCAGC GCAGAG CCCGC-GAGTTTGCCCGAGGG-GACGGTGCCGCCAGAGGT 670 GCACC GCAGAG CC CGCG G T CCCG GG GA C C GC AGAGG m. FATP3: 209 GCAGCACTGAGGAAGGCGCACCGCTGCGCCCT-CCGGCTGGAGATGCCGCTCCTAGAGG- 266 PSEC67: 671 GGAGGACCCCCCCTCTCTCACCTGGAGCAACTGTGCGCCTCCTCCCCCTCCTCCCCCTCGCACGGAGCACCCTCCTCCCCCCTCCTCCCCCCTCCCCCTCCCCCCTCCCC	ļ		AC G GC GCA GCGC TT CTACG G G AGGCTG G C G GA C CGG G	
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m. FATP3: 209 GCAGCACTGAGGAAGGCCCACGCTGGCGCCT-CCGGCTGGAGATGCGGCTGCTAGAGG-266 PSEC67: 671 GGAGGAGCCCCCCCTCTGTCACCTGGAGCAACTGTGGCGCTGCTCCTCCCCGCTGGC 730 GA GA COGC CCCCTCTG CACC GG GC AC GTGGCGCTGCTCCTCCCCGCTGGC 324 PSEC67: 731 CCAGAGTTTCTGGGCTCTGGTTCGGGCTGGCCAAGGCCGGCC				
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m. FATP3: 267 -GACGA-CCGCGCCCCTCTGGCACCCGGGGCGCACCGTGGCGTGCTCTCCCCAGCGGGC 324 PSEC67: 731 CCAGAGTTTCTGTGGCTCTGGTTCGGGCTGCCAAGGCCGGCC	PSEC67:	671		730
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m. FATP3: 325 CCGGATTCTTGGT TGGTTCGGCCAAGCGCCAAGCTGCGCAC GCCTTTGTG m. FATP3: 325 CCGGATTCCTTTGGATTTGGTTCGGACTGGCCAAGCTGGCCACGGCCTTTGTG 384 PSEC67: 791 CCCACCGCCTGCGCCGGGGCCCCCTGCTGCACTGCCTCCGCAGCTGCGCGCGC	DSEC67	721	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	700
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PSEC67: 851 CTGGTGCTGGCGCCAGAGTTTCTGGAGTCCCTGGAGCCCGACCTGCCGCCCTGAGAGCC m. FATP3: 445 CTCGTGCTGGC CAGAGTT CTGGAGTCCCTGGAGCCGGACCTGCCGCCTTGAGAGCC psec67: 911 ATGGGGCTCCACCTGTGGGCTGCAGGCCCAGGACCTGCCGGACCTGCCGGCCTTGAGAGCC m. FATP3: 505 ATGGGGCTCCACCTGTGGGCTGCAGGCCCAGGAACCCACCC	m. FATP3:	385		444
CT GTGCTGGC CAGAGTT CTGGAGTCCCTGGAGCCGGACCTGCC GC TGAGAGCC m. FATP3: 445 CTCGTGCTGGCACAGAGTTCCTGGAGTCCCTGGAGCCGGACCTGCCGGCCTTGAGAGCC 504 PSEC67: 911 ATGGGGCTCCACCTGTGGGCTGCAGGCCCAGGAACCCACCC				
m. FATP3: 445 CTCGTGCCGCCACAGAGTTCCTGGAGTCCCTGGAGCCGGACCTGCCGGCCTTGAGAGCC 504 PSEC67: 911 ATGGGGCTCCACCTGTGGGCTGCAGGCCCAGGAACCCACCC	PSEC67:	851	CTGGTGCTGGCGCCAGAGTTTCTGGAGTCCCTGGAGCCGGACCTGCCCGCCC	910
PSEC67: 911 ATGGGGCTCCACCTGTGGGCTGCAGGCCCAGGAACCCACCC	İ			
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m. FATP3: 565 CTATCGGAAGCAGACCAAGTGGATGAGCCAGTGCCGGGTACCTCTCTCCCCCAG m. FATP3: 565 CTATCGGAAGCAGCAGACCAAGTGGATGAGCCAGTGCCGGGGTACCTCTCTGCCCCCAG PSEC67: 1031 AGCATAACAGACACGTGCCTGTACATCTTCACCTCTGGCACCACGGGCCTCCCCAAGGCT A CATAA GACAC TGCCTGTACATCTTCACCTCTGGCAC AC GGCCT CCCAAGGCT m. FATP3: 625 AACATAATGGACACCTGCCTGTACATCTTCACCTCTGGCACTACTGGCCTGCCCAAGGCT 684 PSEC67: 1091 GCTCGGATCAGTCATCTGAAGATCCTGCAATGCCAGGGCTTCTATCAGCTGTGTGGTGTC 1150 GCTCG ATCAGTCATCTGAAG T CT CA TGCCAGGG TTCTA CA CTGTGTGG GTC m. FATP3: 685 GCTCGAATCAGTCATCTGAAGGTTCTACCAGTGCCAGGGATTCTACCATCTGTGTGGAGTC 744 PSEC67: 1151 CACCAGGAAGATGTGATCTACCTCGCCCTCCCACTCTACCACATGTCCGGTTCCCTGCTG 1210 CACCAGGA GA GTGATCTACCTCGC CTCCCACT TACCACATGTC GG TCCCT CTG m. FATP3: 745 CACCAGGAGGACGTGATCTACCTCGCACTCCCACTGTACCACATGTCTGGCTCCCTTCTG 804 PSEC67: 1211 GGCATCGTGGGCTGCATGGGGCCACAGTGGTGCTGAAATCCAAGTTCTCGGCT 1270 GGCAT GTGGGCTGC TGGGCCATTGGGGCCAC GTGGTGCTGAAA CCAAGTTCTC GCT	ILL TAIT O.	000	MI 100000100ACCIMI 1000COACCOOCCCIOAAA CIATO IAGO IOGAA ICAGCAA I I I G	304
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A CATAA GACAC TGCCTGTACATCTTCACCTCTGGCAC AC GGCCT CCCAAGGCT m. FATP3: 625 AACATAATGGACACCTGCCTGTACATCTTCACCTCTGGCACTACTGGCCTGCCCAAGGCT 684 PSEC67: 1091 GCTCGGATCAGTCATCTGAAGATCCTGCAATGCCAGGGCTTCTATCAGCTGTGTGGTGTC 1150				
m. FATP3: 625 AACATAATGGACACCTGCCTGTACATCTTCACCTCTGGCACTACTGGCCTGCCCAAGGCT 684 PSEC67: 1091 GCTCGGATCAGTCATCTGAAGATCCTGCAATGCCAGGGCTTCTATCAGCTGTGTGGTGTC 1150	PSEC67:	1031		1090
PSEC67: 1091 GCTCGGATCAGTCATCTGAAGATCCTGCAATGCCAGGGCTTCTATCAGCTGTGTGGTGTC 1150 GCTCG ATCAGTCATCTGAAG T CT CA TGCCAGGG TTCTA CA CTGTGTGG GTC m. FATP3: 685 GCTCGAATCAGTCATCTGAAGGTTCTACAGTGCCAGGGATTCTACCATCTGTGTGGAGTC 744 PSEC67: 1151 CACCAGGAAGATGTGATCTACCTCGCCCTCCCACTCTACCACATGTCCGGTTCCCTGCTG 1210 CACCAGGA GA GTGATCTACCTCGC CTCCCACT TACCACATGTC GG TCCCT CTG m. FATP3: 745 CACCAGGAGGACGTGATCTACCTCGCACTCCCACTGTACCACATGTCTGGCTCCCTTCTG 804 PSEC67: 1211 GGCATCGTGGGCTGCATGGGGCCACTGGGGCCACAGTGGTGCTGAAATCCAAGTTCTCGGCT 1270 GGCAT GTGGGCTGC TGGGCATTGGGGCCAC GTGGTGCTGAAA CCAAGTTCTC GCT				
GCTCG ATCAGTCATCTGAAG T CT CA TGCCAGGG TTCTA CA CTGTGTGG GTC m. FATP3: 685 GCTCGAATCAGTCATCTGAAGGTTCTACAGTGCCAGGGATTCTACCATCTGTGTGGAGTC 744 PSEC67: 1151 CACCAGGAAGATGTGATCTACCTCGCCCTCCCACTCTACCACATGTCCGGTTCCCTGCTG 1210 CACCAGGA GA GTGATCTACCTCGC CTCCCACT TACCACATGTC GG TCCCT CTG m. FATP3: 745 CACCAGGAGGACGTGATCTACCTCGCACTCCCACTGTACCACATGTCTGGCTCCCTTCTG 804 PSEC67: 1211 GGCATCGTGGGCTGCATGGGGCCACAGTGGTGCTGAAATCCAAGTTCTCGGCT 1270 GGCAT GTGGGCTGC TGGGCATTGGGGCCAC GTGGTGCTGAAA CCAAGTTCTC GCT	m. FATP3:	625	AACATAATGGACACCTGCCTGTACATCTTCACCTCTGGCACTACTGGCCTGCCCAAGGCT	684
GCTCG ATCAGTCATCTGAAG T CT CA TGCCAGGG TTCTA CA CTGTGTGG GTC m. FATP3: 685 GCTCGAATCAGTCATCTGAAGGTTCTACAGTGCCAGGGATTCTACCATCTGTGTGGAGTC 744 PSEC67: 1151 CACCAGGAAGATGTGATCTACCTCGCCCTCCCACTCTACCACATGTCCGGTTCCCTGCTG 1210 CACCAGGA GA GTGATCTACCTCGC CTCCCACT TACCACATGTC GG TCCCT CTG m. FATP3: 745 CACCAGGAGGACGTGATCTACCTCGCACTCCCACTGTACCACATGTCTGGCTCCCTTCTG 804 PSEC67: 1211 GGCATCGTGGGCTGCATGGGGCCACAGTGGTGCTGAAATCCAAGTTCTCGGCT 1270 GGCAT GTGGGCTGC TGGGCATTGGGGCCAC GTGGTGCTGAAA CCAAGTTCTC GCT	DCCCC7.	1001	CCTCCC ATCACTC ATCTC A ACATCCTCCA ATCCCA CCCCTTCT ATCACACTCTCCTCCTCCTC	1150
m. FATP3: 685 GCTCGAATCAGTCATCTGAAGGTTCTACAGTGCCAGGGATTCTACCATCTGTGTGGAGTC 744 PSEC67: 1151 CACCAGGAAGATGTGATCTACCTCGCCCTCCCACTCTACCACATGTCCGGTTCCCTGCTG 1210 CACCAGGA GA GTGATCTACCTCGC CTCCCACT TACCACATGTC GG TCCCT CTG m. FATP3: 745 CACCAGGAGGACGTGATCTACCTCGCACTCCCACTGTACCACATGTCTGGCTCCCTTCTG 804 PSEC67: 1211 GGCATCGTGGGCTGCATGGGGCATTGGGGCCACAGTGGTGCTGAAATCCAAGTTCTCGGCT 1270 GGCAT GTGGGCTGC TGGGCATTGGGGCCAC GTGGTGCTGAAA CCAAGTTCTC GCT	PSECO1.	1091		1150
PSEC67: 1151 CACCAGGAAGATGTGATCTACCTCGCCCTCCCACTCTACCACATGTCCGGTTCCCTGCTG 1210 CACCAGGA GA GTGATCTACCTCGC CTCCCACT TACCACATGTC GG TCCCT CTG m. FATP3: 745 CACCAGGAGGACGTGATCTACCTCGCACTCCCACTGTACCACATGTCTGGCTCCCTTCTG 804 PSEC67: 1211 GGCATCGTGGGCTGCATGGGGCATTGGGGCCACAGTGGTGCTGAAATCCAAGTTCTCGGCT 1270 GGCAT GTGGGCTGC TGGGCATTGGGGCCAC GTGGTGCTGAAA CCAAGTTCTC GCT	- EATDS:	COE		744
CACCAGGA GA GTGATCTACCTCGC CTCCCACT TACCACATGTC GG TCCCT CTG m. FATP3: 745 CACCAGGAGGACGTGATCTACCTCGCACTCCCACTGTACCACATGTCTGGCTCCCTTCTG 804 PSEC67: 1211 GGCATCGTGGGCTGCATGGGCCATTGGGGCCACAGTGGTGCTGAAATCCAAGTTCTCGGCT 1270 GGCAT GTGGGCTGC TGGGCATTGGGGCCAC GTGGTGCTGAAA CCAAGTTCTC GCT	III. PAIFS.	000	GCTGAATCAGTCATCTGAAGGTTCTACAGTGCCAGGATTCTACCATCTGTGTGGAGTC	144
CACCAGGA GA GTGATCTACCTCGC CTCCCACT TACCACATGTC GG TCCCT CTG m. FATP3: 745 CACCAGGAGGACGTGATCTACCTCGCACTCCCACTGTACCACATGTCTGGCTCCCTTCTG 804 PSEC67: 1211 GGCATCGTGGGCTGCATGGGCCATTGGGGCCACAGTGGTGCTGAAATCCAAGTTCTCGGCT 1270 GGCAT GTGGGCTGC TGGGCATTGGGGCCAC GTGGTGCTGAAA CCAAGTTCTC GCT	PSEC67:	1151	CACCAGGAAGATGTGATCTACCTCCCCTCCCACTCTACCACATGTCCCGTTCCCTGCTG	1210
m. FATP3: 745 CACCAGGAGGACGTGATCTACCTCGCACTCCCACTGTACCACATGTCTGGCTCCCTTCTG 804 PSEC67: 1211 GGCATCGTGGGCTGCATGGGGCATTGGGGCCACAGTGGTGCTGAAATCCAAGTTCTCGGCT 1270 GGCAT GTGGGCTGC TGGGCATTGGGGCCAC GTGGTGCTGAAA CCAAGTTCTC GCT				
PSEC67: 1211 GGCATCGTGGGCTGCATGGGCCATTGGGGCCACAGTGGTGCTGAAATCCAAGTTCTCGGCT 1270 GGCAT GTGGGCTGC TGGGCATTGGGGCCAC GTGGTGCTGAAA CCAAGTTCTC GCT	m FATP3:	745		804
GGCAT GTGGGCTGC TGGGCATTGGGGCCAC GTGGTGCTGAAA CCAAGTTCTC GCT				~ ~
GGCAT GTGGGCTGC TGGGCATTGGGGCCAC GTGGTGCTGAAA CCAAGTTCTC GCT	PSEC67:	1211	${\tt GGCATCGTGGGCTGCATGGGCCATTGGGGCCACAGTGGTGCTGAAATCCAAGTTCTCGGCT}$	1270
m. FATP3: 805 GGCATTGTGGGCTGCTTGGGCCATTGGGGCCACCGTGGTGCTGAAACCCAAGTTCTCAGCT 864	-			
	m. FATP3:	805	GGCATTGTGGGCTGCTTGGGCCATTGGGGCCACCGTGGTGCTGAAACCCAAGTTCTCAGCT	864

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Figure 7		
PSEC67: 127	1 GGTCAGTTCTGGGAAGATTGCCAGCAGCAGCAGGGTGACGGTGTTCCAGTACATTGGGGAG G CAGTTCTGGGA GATTGCCAG A CACAGGGTGAC GTGTTCCAGTACATTGGGGAG	1330
m. FATP3: 86	5 AGCCAGTTCTGGGACGATTGCCAGAAACACAGGGTGACAGTGTTCCAGTACATTGGGGAG	924
PSEC67: 133	1 CTGTGCCGATACCTTGTCAACCAGCCCCCGAGCAAGGCAGAACGTGGCCATAAGGTCCGG TGTGCCGATACCT GTCAACCAGCCCCCGAGCAAGGCAGA TG CCATAAGGT CG	1390
m. FATP3: 92	5 TTGTGCCGATACCT GTCAACCAGCCCCGAGCAAGGCAGAGTTTGACCATAAGGTGCGC	984
PSEC67: 139	1 CTGGCAGTGGGCAGCGGCTGCGCCCAGATACCTGGGAGCGTTTTGTGCGGCGCTTCGGG	1450
m. FATP3: 98	TGGCAGTGGGCAG GGG TGCGCCCAGA ACCTGGGAGCGTTT TGCGGCG TT GG 5 TTGGCAGTGGGCAGTGGGTTGCGCCCAGACACCTGGGAGCGTTTCCTGCGGCGATTTGGA	1044
PSEC67: 145	1 CCCCTGCAGGTGCTGGAGACATATGGACTGACAGAGGGCAACGTGGCCACCATCAACTAC CC CTGCAG T CTGGAGAC TATGG TGACAGAGGGCAACGT GC AC TCAA TAC	1510
m. FATP3:104	5 CCTCTGCAGATACTGGAGACGTATGGCATGACAGAGGGCAACGTAGCTACGTTCAATTAC	1104
PSEC67: 151	1 ACAGGACAGCGGGGGGGGGGGGGGGGGGGGGGGGGGGG	1570
m. FATP3:110	ACAGGAC GC GGG GC GTGGGGCG GCTTCCTGGCTTTACAAGCA ATCTTCCCCTTC 5 ACAGGACGCAGGGTGCAGTGGGGCGAGCTTCCTGGCTTTACAAGCACATCTTCCCCTTC	1164
PSEC67: 157	1 TCCTTGATTCGCTATGATGTCACCACAGGAGGCCAATTCGGGACCCCCAGGGGCACTGT TCCTTGATTCG TA GATGTCA ACAGG GAGCC ATTCGG A CCCAGGGGCACTG	1630
m. FATP3:116	5 TCCTTGATTCG TA GATGTCA ACAGG GAGCC ATTCGG A CCCAGGGCCACTGC	1224
PSEC67: 163	1 ATGGCCACATCTCCAGGTGAGCCAGGGCTGCTGGTGGCCCCGGTAAGCCAGCAGTCCCCA ATG CCACATCTCCAGGTGAGCCAGG CT CTGGTGGCCCC GT AGCCAGCAGTCCCC	1690
m. FATP3:122	5 ATGACCACATCTCCAGGTGAGCCAGGCCTACTGGTGGCCCCAGTGAGCCAGCAGTCCCCC	1284
PSEC67: 169	1 TTCCTGGGCTATGCTGGCGGGCCAGAGCTGGCCCAGGGGAAGTTGCTAAAGGATGTCTTC TTCCTGGGCTATGCTGG G CC GAGCTGGCC AGG AAG TGCT AAGGATGTCTTC	1750
m. FATP3:128	5 TTCCTGGGCTATGCTGGGGCTCCGGAGCTGGCCAAGGACAAGCTGCTGAAGGATGTCTTC	1344
PSEC67: 175	1 CGGCCTGGGGATGTTTTCTTCAACACTGGGGACCTGCTGGTCTGCGATGACCAAGGTTTT GG CTGGGGA GTTTTCTTCAA ACTGGGGACCT TGGTCTG GATGA CAAGG TTT	1810
m. FATP3:134	5 TGGTCTGGGGACGTTTTCTTCAATACTGGGGACCTCTTGGTCTGTGATGAGCAAGGCTTT	1404
PSEC67: 181	1 CTCCGCTTCCATGATCGTACTGGAGACACCTTCAGGTGGAAGGGGGAGAATGTGGCCACA CT C CTTCCA GATCGTACTGGAGACACC TCAGGTGGAAGGG GAGAATGTGGCCACA	1870
m. FATP3:140	5 CTTCACTTCCACGATCGTACTGGAGACACCATCAGGTGGAAGGGAGAGAATGTGGCCACA	1464
PSEC67: 187	1 ACCGAGGTGGCAGAGGTCTTCGAGGCCCTAGATTTTCTTCAGGAGGTGAACGTCTATGGA AC GA GTGGC GAGGTCTT GAG CCCT GA TT CTTCAGGAGGTGAAC TCTATGGA	1930
m. FATP3:146	5 ACTGAAGTGGCTGAGGTCTTGGAGACCCTGGACTTCCTTC	1524
PSEC67: 193	1 GTCACTGTGCCAGGGCATGAAGGCAGGGCTGGAATGGCAGCCCTAGTTCTGCGTCCCCCC GTCAC GTGCCAGGGCA GAAGGCAGGGC GG ATGGC GCC T G TCTGCG CCCCC	1990
m. FATP3:152	5 GTCACGGTGCCAGGGCACGAAGGCAGGCAGGCATGGCGGCCTTGGCTCTGCGGCCCCCG	1584
PSEC67: 199	1 CACGCTTTGGACCTTATGCAGCTCTACACCCACGTGTCTGAGAACTTGCCACCTTATGCC CA GCT TG ACCT TGCAGCTCTACA CCA GT TCTGAGAACTTGCCACC TATGCC	2050
m. FATP3:158	5 CAGGCTCTGAACCTGGTGCAGCTCTACAGCCATGTTTCTGAGAACTTGCCACCGTATGCC	1644
PSEC67: 205	CGCCCCGATTCCTCAGGCTCCAGGAGTCTTTGGCCACCACAGAGACCTTCAAACAGCAGCGCCCCCCGCATTCCACAGCCCCAGGACCTTCCAAACAGCAGCAGCCCCCCCC	2110
m. FATP3:164	5 CGACCTCGGTTTCTCAGGCTCCAGGAATCTTTGGCCACTACTGAGACCTTCAAACAGCAG	1704

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Figure 8

PSEC67: 2111 AAAGTTCGGATGGCAAATGAGGGCTTCGACCCCAGCACCCTGTCTGACCCACTGTACGTT 2170
AA GTT GGATGGC AATGAGGGCTT GACCCCAG CTGTCTGACCCACT TA GTT
m. FATP3:1705 AAGGTTAGGATGGCCAATGAGGGCTTTGACCCCAGTGTACTGTCTGACCCACTCTATGTT 1764

PSEC67: 2171 CTGGACCAGGCTGTAGGTGCCTACCTGCCCCTCACAACTGCCCGGTACAGCGCCCTCCTG 2230
CTGGACCA G T TAGG GCCTACCTGCCCCTCACA CTGCCCGGTACAG GCCCTCCTG
m. FATP3:1765 CTGGACCAAGATATAGGGGCCTACCTGCCCCTCACACCTGCCCGGTACAGTGCCCTCCTG 1824

PSEC67: 2231 GCAGGAAACCTTCGAATCTGA 2251
C GGA ACCTTCGAATCTGA

m. FATP3:1825 TCTGGAGACCTTCGAATCTGA 1845

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Figure 9		
PSEC67:	61'	PLLLLKLHLWPQLRWLPADLAFAVRALCCKRALRARALAAAAADPEGPEGGCSLAWRLAE
m. FATP3:	1"	AAADPESSESGCSLAWRLAY
PSEC67:	121'	LAQQRAAHTFLIHGSRRFSYSEAERESNRAARAFLRALGWDWGPDGGDSGEGSAGEGERA ** ******** ******** ***. **. **.
m. FATP3:	21"	LAREQPTHTFLIHGAQRFSYAEAERESNRIARAFLRARGWTGGRRGSGR—GSTEEGARV
PSEC67:	181'	APGAGDAAAGSGAEFAGGDGAARGGGAAAPLSPGATVALLLPAGPEFLWLWFGLAKAGLR ** *** . ** * . * ** * . *************
m. FATP3:	79″	• • • • • • • • • • • • • • • • • • • •
PSEC67:	241'	TAFVPTALRRGPLLHCLRSCGARALVLAPEFLESLEPDLPALRAMGLHLWAAGPGTHPAG
m. FATP3:	125″	TAFVPTALRRGPLLHCLRSCGASALVLATEFLESLEPDLPALRAMGLHLWATGPETNVAG
PSEC67:	301'	ISDLLAEVSAEVDGPVPGYLSSPQSITDTCLYIFTSGTTGLPKAARISHLKILQCQGFYQ **. **. * **. ********************
m. FATP3:	185″	ISNLLSEAADQVDEPVPGYLSAPQNIMDTCLYIFTSGTTGLPKAARISHLKVLQCQGFYH
PSEC67:	361'	LCGVHQEDVIYLALPLYHMSGSLLGIVGCMGIGATVVLKSKFSAGQFWEDCQQHRVTVFQ
m. FATP3:	245″	
PSEC67:	421'	YIGELCRYLVNQPPSKAERGHKVRLAVGSGLRPDTWERFVRRFGPLQVLETYGLTEGNVA
m. FATP3:	305″	YIGELCRYLVNQPPSKAEFDHKVRLAVGSGLRPDTWERFLRRFGPLQILETYGMTEGNVA
PSEC67:	481'	TINYTGQRGAVGRASWLYKHIFPFSLIRYDVTTGEPIRDPQGHCMATSPGEPGLLVAPVS *.*********.***********************
m. FATP3:	365″	TFNYTGRQGAVGRASWLYKHIFPFSLIRYDVMTGEPIRNAQGHCMTTSPGEPGLLVAPVS
PSEC67:	541'	QQSPFLGYAGGPELAQGKLLKDVFRPGDVFFNTGDLLVCDDQGFLRFHDRTGDTFRWKGE
m. FATP3:	4 25″	QQSPFLGYAGAPELAKDKLLKDVFWSGDVFFNTGDLLVCDEQGFLHFHDRTGDTIRWKGE
PSEC67:	601'	NVATTEVAEVFEALDFLQEVNVYGVTVPGHEGRAGMAALVLRPPHALDLMQLYTHVSENL ************************************
m. FATP3:	485″	NVATTEVAEVLETLDFLQEVNIYGVTVPGHEGRAGMAALALRPPQALNLVQLYSHVSENL
PSEC67:	661'	PPYARPRFLRLQESLATTETFKQQKVRMANEGFDPSTLSDPLYVLDQAVGAYLPLTTARY
m. FATP3:	545″	PPYARPRFLRLQESLATTETFKQQKVRMANEGFDPSVLSDPLYVLDQDIGAYLPLTPARY
PSEC67:	721'	SALLAGNLRI

m. FATP3:	605″	SALLSGDLRI

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Figure 10	<i>.</i>	
PSEC67:	61'	PLLLLKLHLWPQLRWLPADLAFAVRALCCKRALRARALAAAAADPEGPEGGCSLAWRLAE
acyl CoA:	1"	MLSAIYTVLA
PSEC67:	121'	LAQQRAAHTFLIHGSRRFSYSEAERESNRAARAFLRALGWDWGPDGGDSGEGSAGEGERA
acyl CoA:	11"	GLLFLPLLVNLCCPYFFQDIGYFLKVAAVGRRVRSYGQRRPARTILRAFLEKARQTPHKP
PSEC67:	181'	APGAGDAAAGSGAEFAGGDGAARGGGAAAPLSPGATVALLLPAGPEFLWLWFGLAKAGLR
acyl CoA:	71″	FLLFRDETLTYAQVDRRSNQVARALHDHLGLRQGDCVALLMGNEPAYVWLWLGLVKLGCA
PSEC67:	241'	
acyl CoA:	131″	* * . **** ***
PSEC67:	301'	ISDLLAEVSAEVDGPVPGYLSSPQSITDTCL YIFTSGTTGLPKAARISHLKILQCQGFYQ
acyl CoA:	191″	****.*
PSEC67:	361'	LCGVHQEDVIYLALPLYHMSGSLLGIVGCMGIGATVVLKSKFSAGQFWEDCQQHRVTVFQ
acyl CoA:	251″	*******.**. **. *** **** **** ** ** ** *** *** *** ** *** *** ** *** ** *** ** ** ** ** ** ** ** **.
PSEC67:	421'	YIGELCRYLVNQPPSKAERGHKVRLAVGSGLRPDTWERFVRRFGPLQVLETYGLTEGNVA
acyl CoA:	311″	***** *** * * *. ******. *. **. **.
PSEC67:	4 81'	TINYTGQRGAVGRASWLYKHIFPFSLIRYDVTTGEPIRDPQGHCMATSPGEPGLLVAPVS
acyl CoA:	371″	. ** ***** * *.* **. **. **. *
PSEC67:	541'	QQSPFLGYAGGPELAQGKLLKDVFRPGDVFFNTGDLLVCDDQGFLR <i>FHDRTGDTFRWKGE</i>
acyl CoA:	431"	* .** **** * * .***. ** **. * * ****. ******
PSEC67:	601'	NVATTEVÆVFEALDFLQEVNVYGVTVPGHEGRAGMAALVLRPPHALDLMQLYTHVSENL
acyl CoA:	491″	********** **. **. **. **. **. * **. * **. * **. * **. * **. **. * **. * **. **. * **.
PSEC67:	661'	PPYARPRFLRLQESLATTETFKQQKVRMANEGFDPSTLSDPLYVLDQAVGAYLPLTTARY
acyl CoA:	551″	*. ********* * *. ***. * *** ** *. *
PSEC67:	721'	SALLAGNLRI
acyl CoA:	611"	.*. * .* NAISAKTLKL